

**United States Environmental Protection Agency  
Region VII  
POLLUTION REPORT**

**Date:** Friday, November 16, 2007

**From:** Eddie McGlasson, OSC

**Subject:** Final POLREP  
United Zinc #1 Site  
Iola, KS  
Latitude: 37.9228  
Longitude: -95.3859



<b>POLREP No.:</b>	16	<b>Site #:</b>	A78Q
<b>Reporting Period:</b>	7/01/07- 10/31/2007	<b>D.O. #:</b>	
<b>Start Date:</b>	8/15/2006	<b>Response Authority:</b>	CERCLA
<b>Mob Date:</b>	8/14/2006	<b>Response Type:</b>	Time-Critical
<b>Completion Date:</b>	10/31/2007	<b>NPL Status:</b>	Non NPL
<b>CERCLIS ID #:</b>	KSN000705026	<b>Incident Category:</b>	Removal Action
<b>RCRIS ID #:</b>		<b>Contract #</b>	

#### Site Description

See Pollution Report #1 for Site Description

#### Current Activities

EPA has completed excavation of properties in Iola under the existing Action Memorandum. On June 29, 2007, all equipment and personnel was demobilized from the site. There were 129 properties (2 Elementary Schools and 127 residential properties) that met or exceeded the action criteria and excavated. Of those 129 properties, 20 were considered high child-impact areas. All signed access agreements received prior to June 22 were screened. EPA was able to excavate all properties that were screened and that met the removal action criteria. EPA screened approximately 1,686 properties during the course of the removal action. This number is primarily residential properties within the Iola community. In addition, there are approximately 700 properties the EPA was unable to contact either by knocking on the door, phone attempts, and/or dropping off information packets at the property.

An additional removal action was conducted at McKinley Elementary School. On June 4 it was brought to the EPA's attention that the School District Maintenance Department had completed some soil disturbance work on the school grounds. Based on the original sampling effort in mid-April 2006, McKinley School was found to have lead levels exceeding 400 ppm and was excavated in designated areas of the grounds on August 19, 2006. During the months of April and June 2007, the school conducted work resulting in the spreading of lead-contaminated soils throughout the school playground. As a result, those areas were sampled and found to have soils exceeding 5,500 ppm. EPA determined that a hazard was present warranting an emergency removal action. This separate action began on June 21 and was completed the following day on June 22.

As a result of the removal action approximately 74 acres were removed of lead contaminated soils (based on 5 acres per school and .5 acres per residential property). In addition, exposure to lead contaminated soil was avoided to approximately 908 people in the community (based on 200

students per elementary school and 4 people per residence). Statistical information used in the above figures is obtained from the 2006-2007 year census and USD 257 K-5th grades).

The following shows the total amount of excavated soil, clean backfill soil, and gravel used during the course of this removal action:

- 20,159.08 tons of excavated soil removed
- 21,168.00 cubic yards of clean soil backfilled
- 528.5 tons of gravel backfilled

Due to recent flooding and severe weather conditions in SE Kansas (Iola), EPA determined the need to amend the existing Action Memorandum requesting additional funding to revegetate excavated properties under the existing action. On October 15, 2007, the EPA began this effort. All properties excavated under this action were reseeded, and those that required additional work (i.e. minimal dirt work and power-raking) were completed on October 31, 2007.

### Planned Removal Actions

No additional residential soil cleanups are planned at this time.

### Next Steps

None

### Key Issues

EPA has reached the statutory removal funding authority which can not be waived unless the city and state support a proposal to list the site on the National Priorities List.

### Estimated Costs \*

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$1,768,572.00	\$1,330,220.19	\$438,351.81	24.79%
RST/START	\$198,030.00	\$167,905.00	\$30,125.00	15.21%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	<b>\$1,966,602.00</b>	<b>\$1,498,125.19</b>	<b>\$468,476.81</b>	<b>23.82%</b>

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

[www.epaosc.net/UnitedZinc1Site](http://www.epaosc.net/UnitedZinc1Site)